

**CORD Geometry**

Includes instruction, activities, math labs, practice, and problem solving. New concepts are presented in real-life situations and experiences that are familiar to students. Proofs are integrated throughout. Technology is used.

Contract Price

\$65.97

Grade

9,10,11,12

TYPE

P1

Copyright

2009

Author

CORD

Edition

3rd

Content

Geometry

Readability

Lexile 930

Accessibility

Nimas

Research

CORD  
Communications,  
Waco, TX

Teacher Edition

Essential Items

Ancillary Items

Free with Purchase items

9781578374359 Chapter Resource Book \$90.97

1 per 25 student texts purchased

9781578374367 Lab Data Sheets \$59.97

1 per 25 student texts purchased

9781578374375 Software Generated Assessment \$186.97

1 per school

9781578374383 Teacher's Ancillaries on CD-ROM \$165.97

Can be substituted for the hard copies of the teacher resources

9781578374399 Proof Supplement \$59.57

1 per 25 student texts purchased

Student textbook online

free with purchase of student texts

Evaluation Tool for Basal Instructional Materials  
Mathematics (2009 – 2015)

Provided by the Publisher	ISBN 9781578374332		Publisher - <b>CORD Communications</b>	
	<b>CORD Geometry</b>			
	Type - P1	Author - CORD		
	Copyright - 2009	Edition - 3rd	Readability - Lexile 930	
	Course - Geometry		Grade(s) - 9,10,11,12	
	Teacher Edition ISBN if applicable ..... 9781578374340			

**Overall Recommendation:**

**Recommended as BASAL**

**Overall Strengths, Weaknesses, Comments:**

if this box is not checked, the evaluators have  
chosen NOT recommend as basal

**The textbook lends itself very well to a non-formal geometry course. The eye-catching layout and real-world applications enhance student interest, and the content is comprehensive. The use of technology is included with each unit. The use of informal proof, with only occasional formal proof, makes the text suitable more for a general curriculum rather than a college-prep curriculum.**

NIMAC Accessibility N

Ancillary Yes

Free with Purchase Yes

Research Yes CORD Communications, Waco, TX

Includes instruction, activities, math labs, practice, and problem solving. New concepts are presented in real-life situations and experiences that are familiar to students. Proofs are integrated throughout. Technology is used.

**CRITERIA**

This basal resource ...

**A. Encompasses KY Content Standards & Grade Level Expectations Strong Evidence**

Text is designed to be used in an elective course outside the Program of Studies

**1) Includes the 5 Big Ideas of mathematics to the following extent:**

- |  |                 |
|--|-----------------|
| <b>a) Number Properties and Operations</b> | Strong Evidence |
| <b>b) Measurement</b>                      | Strong Evidence |
| <b>c) Geometry</b>                         | Strong Evidence |
| <b>d) Data Analysis and Probability</b>    | Not Applicable  |
| <b>e) Algebraic Thinking</b>               | Strong Evidence |

<b>2) Addresses content-specific enduring understandings from the related Program of Studies standards.</b>	Strong Evidence
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<b>3) Addresses content-specific skills and concepts from the related Program of Studies standards.</b>	Strong Evidence
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<b>4) Content addressed is current, relevant and non-trivial</b>	Strong Evidence
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<b>5) Provides opportunities for critical thinking/reasoning</b>	<b>Strong Evidence</b>
<b>6) Strengths, Weaknesses, Comments:</b> <ul style="list-style-type: none"> <li>• Specific strengths-which areas/concepts are covered exceptionally well?</li> <li>• Specific weaknesses-which areas/concepts would likely require supplementing?</li> </ul> <p>Textbook includes all relevant geometry and measurement concepts, along with a workable algebra review. The text focuses on short-answer (one- or two-step) reasoning skills rather than on proof in a formal sense, although the concept of formal proof is introduced.</p>	

<b>B. Functionality &amp; Suitability</b>	<b>Strong Evidence</b>
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<b>1) Suitability</b>	<b>Strong Evidence</b>
<ul style="list-style-type: none"> <li>• Should be suitable for use with a diverse population and is free of bias regarding race, age, ethnicity, gender, religion, social and/or geographic environment; is free of stereotyping or bias of any kind.</li> </ul>	
<b>2) Content quality</b>	<b>Strong Evidence</b>
<ul style="list-style-type: none"> <li>• Free from factual errors</li> <li>• Content is presented conceptually when possible—more than a mere collection of facts</li> <li>• Content included accurately represents the knowledge base of the discipline</li> <li>• Theories/scientific models contained represent a broad consensus of the scientific community</li> <li>• Interconnections among mathematical topics</li> </ul>	
<b>3) Connections to Literacy</b>	<b>Strong Evidence</b>
<ul style="list-style-type: none"> <li>• Employs a variety of reading levels and is grade/level appropriate</li> <li>• Use of multiple representations-concrete, visual/spatial, graphs, charts, etc.</li> <li>• Provides opportunities for summarizing, reviewing, and reinforcing vocabulary skills and concepts at multiple levels of difficulty for a variety of learning styles.</li> <li>• Student text provides opportunity to integrate reading and writing</li> <li>• Uses vocabulary that is age and content appropriate</li> <li>• Focuses on critical vocabulary vs. extensive lists</li> <li>• Identifies key vocabulary through definitions in both text and glossary</li> <li>• The text is engaging and facilitates learning</li> <li>• Embedded activities enhance the understanding of the text</li> </ul> <p><i>Note: may apply to either student or teacher editions</i></p>	
<b>4) Connections to Technology</b>	<b>Moderate Evidence</b>
<ul style="list-style-type: none"> <li>• Integrates technology and reflects the impact of technological advances</li> <li>• Uses technology in the collection and/or manipulation of authentic data</li> <li>• Embeds web links as a mathematics resource.</li> </ul>	
<b>5) Support for Diverse Learners</b>	<b>Moderate Evidence</b>
<ul style="list-style-type: none"> <li>• Provides support for ESL students</li> <li>• Provides support for differentiation of instruction in diverse classrooms</li> <li>• Challenge for gifted and talented students</li> <li>• Support for students with learning difficulties</li> </ul> <p><i>Note: may apply to either student or teacher editions</i></p>	
<b>6) Strengths, Weaknesses, Comments:</b>	
<ul style="list-style-type: none"> <li>• Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.</li> </ul>	

Textbook references a variety of cultural backgrounds throughout. Material is readable for most high school students. Critical vocabulary is separately identified and also highlighted within the text. Technology use is embedded, particularly Geometer's Sketchpad activities, but little use is made of the Internet. The readability and real-world applications make the text usable by students at a variety of learning levels; however, support for students with obstacles to learning is otherwise limited.

### C. Supports Inquiry and Skill Development

Strong Evidence

#### 1) Promotes Inquiry, research and Application of Learning Strong Evidence

- Provides opportunities for inquiry and research that includes activities such as gathering information, researching resources, observing, interviewing, and evaluating information, analyzing and synthesizing data and communicating findings and conclusions, formulating authentic questions to deepen and extend mathematical reasoning.
- Requires students to use higher-level cognitive skills (analysis, synthesis, evaluation, generalizing, justifying, etc.)
- Provides activities and projects for students to deepen their knowledge and cultivate and strengthen problem-solving and decision-making skills.
- Provides opportunities for application of learned concepts.
- Uses a variety of relevant charts, graphs, diagrams, number lines, and other illustrations to invite and motivate students to engage in discussion, problem solving, and other high-order thinking skills.
- Emphasizes conceptual understandings that invite students to predict, conclude, evaluate, develop and extend ideas to support reasoning.

*Note: may apply to either teacher or student edition*

#### 2) Skill Development

Strong Evidence

- Provides opportunities to make sense of all mathematics
- Provides opportunities to recognize, create, and extend patterns.
- Provides opportunities for critical thinking and reasoning.
- Provides opportunities to justify/prove responses.
- Provides opportunities to ask deeper questions.
- Contains embedded activities (or extensions) that emphasize use of technology for problem solving

*Note: may apply to either teacher or student edition*

#### 3) Strengths, Weaknesses, Comments:

Textbook emphasizes application of learning to real-world problems.

### D. Supports Best Practices of Teaching and Learning

Moderate Evidence

#### 1) Engages Students

Strong Evidence

- Includes content geared to the needs, interests, and abilities of all students
- Engages and motivates students using components such as real-life situations, simulations, experiments, and data gathering.
- Includes information and activities that assist students in seeing relevance of concepts (where appropriate) to their own lives and experiences
- Provides a variety of strategies, activities, and materials to enhance student learning at the appropriate learning levels

Evaluation Tool for Basal Instructional Materials  
Mathematics (2009 – 2015)

- Activities are truly congruent to the concepts addressed, not merely correlated

*Note: may apply to either teacher or student edition*

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**2) Uses Assessment to Inform Instruction** Moderate Evidence

- Includes multiple means of assessment as an integral part of instruction
- Provides evaluation measures in the teacher edition that supports differentiated learning activities
- Embedded assessments reflect a variety of Depth of Knowledge levels

*Note: may apply to either teacher or student edition*

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**3) Strengths, Weaknesses, Comments:**

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards

Textbook is student-centered. Real-world problem situations provide opportunities for enhancing student interest. Several types of assessment questions are provided, however, the quantity of such questions is limited.

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**E. Has an Organization/ Format that Supports Learning and Teaching**

**Strong Evidence**

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**1) Organizational Quality** Strong Evidence

- Print and/or electronic materials present minimal barriers to learners, but also add encouragement for students to stretch and make further explorations.
- Presents chapters/lessons in an organized and logical sequence
- Provides clearly stated objectives for each lesson.
- Uses text features (e.g., titles, headings, subheadings, review questions, goals, objectives, space, print, type size, color) to enhance readability.
- Makes use of various forms of media (e.g., CD's, recordings, videos, cassette tapes, computer software, web-based components, interactive software, calculators, physical and virtual manipulatives) as either student or teacher resources
- Includes clear, accurate, appropriate and clearly explained illustrations and/or graphics that reinforce content standards.
- Incorporates a glossary, footnotes, recordings, pictures, and/or tests that aid pupils and teachers in using the book effectively
- Uses grade-appropriate type size
- Included media are durable, easy to use and have technical merit
- Construction appears to be durable and able to withstand normal use

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**2) Essential Components (beyond student and teacher text)** Moderate Evidence

- Items identified as essential components support the learning goals and concept coverage of the basal

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**3) Strengths, Weaknesses, Comments:**

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

Units are well-organized. Some technology is embedded (e.g., Geometer's Sketchpad). Illustrations and graphics are excellent, appropriate both for the content and the age of the learner. Construction (three-ring or spiral-bound paper) may lack multiple-year durability. Some materials were still in draft form at the time of review, including some assessment materials (chapter tests) and a proofs supplement.

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**F. Has available Ancillary/ Gratis Materials**

*Note: The decision whether to recommend or not recommend this resource as a basal should not be influenced by Section F*

**Little or No Evidence**

**1) Ancillary/Gratis Materials**

- Coordinates teacher resources easily with student material (e.g., accompaniments included, student pages shown, instructional technology indicated).
- Are well-organized and easy to use
- Provide substantive learning opportunities and are congruent with student learning goals
- Provide opportunities for high-level thinking, assessment, and/or problem solving
- Provides opportunities for intervention.

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**2) Strengths, Weaknesses, Comments:**

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

Few materials were available at the time of review.

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